



US00D940677S

(12) **United States Design Patent**  
**Min et al.**

(10) **Patent No.:** **US D940,677 S**  
(45) **Date of Patent:** **\*\* Jan. 11, 2022**

(54) **MOBILE PHONE**

(71) Applicant: **LG ELECTRONICS INC.**, Seoul (KR)

(72) Inventors: **Jinki Min**, Seoul (KR); **Sojin Kim**, Seoul (KR); **Hongkyu Park**, Seoul (KR); **Jonghak Lee**, Seoul (KR); **Seunghyun Ji**, Seoul (KR)

(73) Assignee: **LG Electronics Inc.**, Seoul (KR)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/720,290**

(22) Filed: **Jan. 10, 2020**

(30) **Foreign Application Priority Data**

Jul. 11, 2019 (JP) ..... 2019-015655

(51) **LOC (13) Cl.** ..... **14-03**

(52) **U.S. Cl.**  
USPC ..... **D14/138 AD**

(58) **Field of Classification Search**  
USPC .... D14/138 G, 138 AD, 248, 341, 345, 432,  
D14/439, 371, 374, 138 R, 138 AA,  
D14/138 AB, 138 AC, 138 C  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D594,028 S \* 6/2009 Fuchsberg ..... D14/496  
D606,961 S \* 12/2009 Aarras ..... D14/138 AD  
(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 303329651 \* 8/2015  
CN 304509551 \* 2/2018  
(Continued)

**OTHER PUBLICATIONS**

Internet Publication by GadgetMatch, Rollable display smartphones, Publication Date: Mar. 5, 2020, [online], [retrieved on Aug. 24, 2021]. Retrieved from Internet ,<URL: https://www.youtube.com/watch?v=uzExejMsVOY>.\*

(Continued)

*Primary Examiner* — Bridget L Eland

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

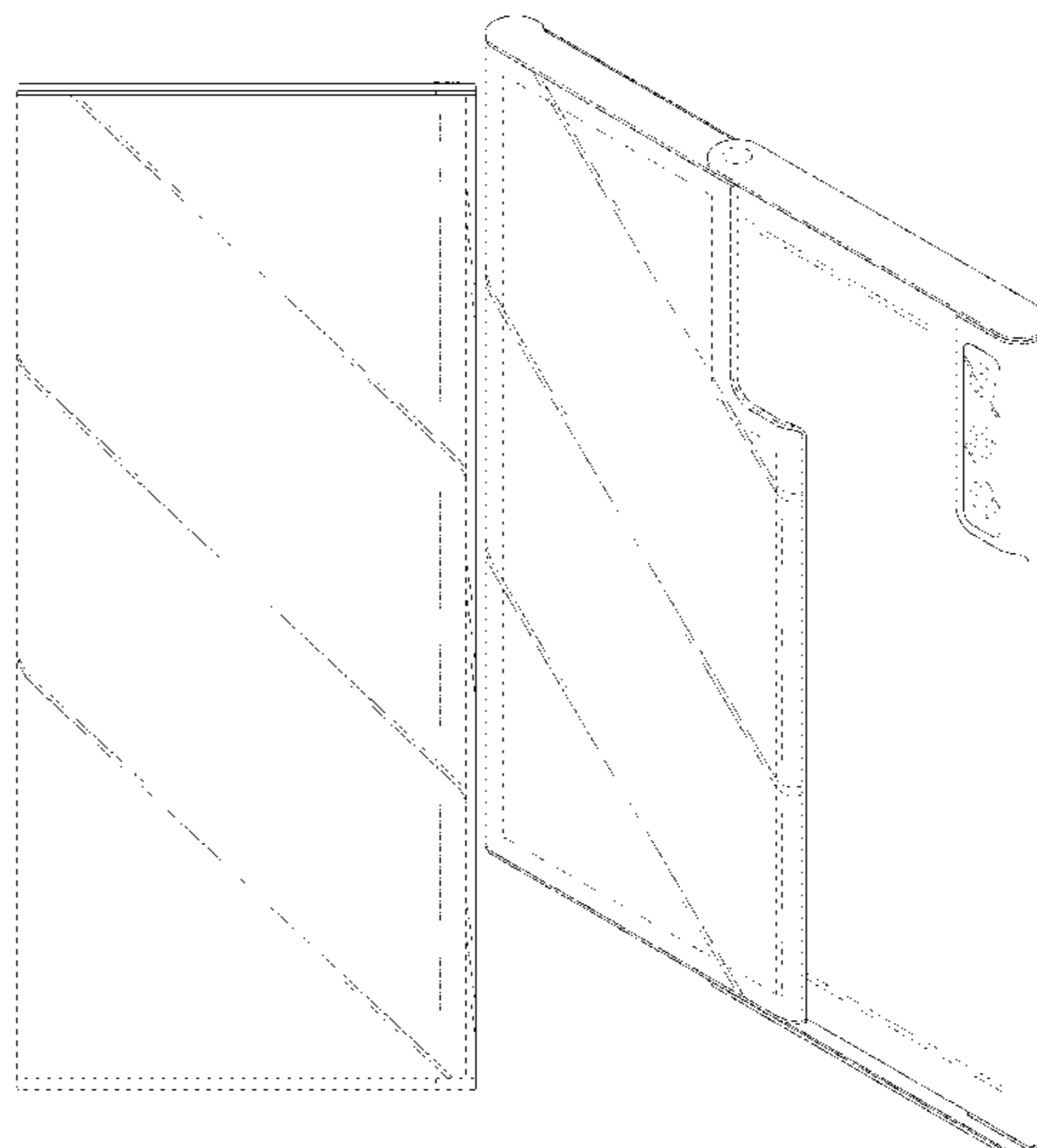
(57) **CLAIM**

The ornamental design for a mobile phone, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of the mobile phone showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof;  
FIG. 8 is a rear perspective view thereof;  
FIG. 9 is a front perspective view of the mobile phone of FIG. 1, shown with environment;  
FIG. 10 is a rear perspective view of the mobile phone of FIG. 1, shown with environment;  
FIG. 11 is a front perspective view of the mobile phone of FIG. 1, shown in an open state;  
FIG. 12 is a front view of FIG. 11;  
FIG. 13 is a rear view of FIG. 11;  
FIG. 14 is a left side view of FIG. 11;  
FIG. 15 is a right side view of FIG. 11;  
FIG. 16 is a top plan view of FIG. 11;  
FIG. 17 is a bottom plan view of FIG. 11; and,  
FIG. 18 is a rear perspective view of FIG. 11.  
The broken lines depict portions of the mobile phone that form no part of the claimed design.

**1 Claim, 18 Drawing Sheets**



(58) **Field of Classification Search**

CPC ..... H04M 1/0202; H04M 1/0235; H04M 1/0237; H04M 1/0239; H04M 1/0266; H04M 1/0268; H04M 1/027; H04M 1/0295; H04M 1/02; H04M 1/0279; H04M 1/0283

See application file for complete search history.

D923,598 S \* 6/2021 Lee ..... D14/138 AD  
 D926,718 S \* 8/2021 Lee ..... D14/138 AD  
 2012/0314400 A1\* 12/2012 Bohn ..... G06F 1/1652  
 362/97.1  
 2013/0058063 A1\* 3/2013 O'Brien ..... G06F 1/1652  
 361/807  
 2020/0253063 A1\* 8/2020 Jiang ..... G06F 1/1652  
 2020/0264660 A1\* 8/2020 Song ..... H04M 1/0268  
 2020/0267246 A1\* 8/2020 Song ..... G06F 1/1624  
 2021/0004055 A1\* 1/2021 Chueh ..... G06F 1/1624

(56) **References Cited**

U.S. PATENT DOCUMENTS

D622,253 S \* 8/2010 Park ..... D14/138 G  
 D631,458 S \* 1/2011 Liao ..... D14/138 G  
 D676,818 S \* 2/2013 Park ..... D14/138 G  
 D698,341 S \* 1/2014 Lee ..... D14/248  
 D712,401 S \* 9/2014 Lee ..... D14/341  
 D716,253 S \* 10/2014 Lee ..... D14/138 AB  
 D717,262 S \* 11/2014 Phillips ..... D14/138 G  
 D722,036 S \* 2/2015 Nam ..... D14/138 G  
 D750,063 S \* 2/2016 Chung ..... D14/341  
 D750,067 S \* 2/2016 Park ..... D14/341  
 D750,617 S \* 3/2016 Akana ..... D14/341  
 D757,716 S \* 5/2016 Park ..... D14/341  
 D757,718 S \* 5/2016 Park ..... D14/341  
 D761,253 S \* 7/2016 Yamazaki ..... D14/341  
 D766,891 S \* 9/2016 Hong ..... D14/341  
 D768,594 S \* 10/2016 Szeto ..... D14/138 G  
 D777,700 S \* 1/2017 Kwon ..... D14/138 G  
 D778,863 S \* 2/2017 Lee ..... D14/138 AD  
 D784,945 S \* 4/2017 Choo ..... D14/138 AB  
 D794,004 S \* 8/2017 Kwon ..... D14/248  
 D794,005 S \* 8/2017 Kwon ..... D14/248  
 D794,623 S \* 8/2017 Kwon ..... D14/248  
 D795,825 S \* 8/2017 Kim ..... D14/138 R  
 D798,851 S \* 10/2017 Kim ..... D14/248  
 D798,852 S \* 10/2017 Kim ..... D14/248  
 D871,397 S \* 12/2019 Seo ..... D14/341  
 10,553,135 B2 \* 2/2020 Lee ..... G02F 1/133305  
 D890,113 S \* 7/2020 Ma ..... D14/138 G  
 D896,769 S \* 9/2020 Lee ..... D14/138 AD  
 D897,301 S \* 9/2020 Lee ..... D14/138 AB  
 D899,408 S \* 10/2020 Seo ..... D14/248  
 D901,418 S \* 11/2020 Ma ..... D14/138 G  
 10,880,417 B1 \* 12/2020 Song ..... H04M 1/0237  
 D907,614 S \* 1/2021 Kim ..... D14/248  
 D912,045 S \* 3/2021 Han ..... D14/341  
 10,936,017 B1 \* 3/2021 Choi ..... G06F 1/1643  
 10,955,876 B1 \* 3/2021 Song ..... H04M 1/0268  
 D915,334 S \* 4/2021 Lee ..... D14/138 AD  
 D915,335 S \* 4/2021 Lee ..... D14/138 AD  
 D915,336 S \* 4/2021 Lee ..... D14/138 AD

FOREIGN PATENT DOCUMENTS

CN 304509556 \* 2/2018  
 CN 305307457 \* 8/2019

OTHER PUBLICATIONS

Internet Publication by TechAvid, LG's Rollable Phone, Publication Date: Dec. 7, 2020, [online], [retrieved on Aug. 24, 2021]. Retrieved from Internet ,<URL: <https://www.youtube.com/watch?v=tZK6a4-GunE>>.\*

Internet Publication by Creator Studio, Oppo Rollable Display Phone, Publication Date: Nov. 17, 2020, [online], [retrieved on Aug. 24, 2021]. Retrieved from Internet ,<URL: <https://www.youtube.com/watch?v=CUTmYqJcVpQ>>.\*

Internet Publication by Kelvin, Oppo X 2021 Rollable Concept Phone, Publication Date: Nov. 18, 2020, [online], [retrieved on Aug. 24, 2021]. Retrieved from Internet ,<URL: <https://www.concept-phones.com/news/oppo-x-2021-rollable-concept-phone-truly-looks-like-the-next-big-thing/>>.\*

Internet Publication by Kelvin, The Scroll is Back!, Publication Date: Mar. 14, 2018, [online], [retrieved on Aug. 24, 2021]. Retrieved from Internet ,<URL:<https://www.concept-phones.com/samsung/scroll-flexible-device-scrollable-part-coming/>>.\*

Internet Publication by Kelvin, LG Rollable Phone Versus TCL Rollable Phone, Publication Date: Jan. 14, 2021, [online], [retrieved on Aug. 24, 2021]. Retrieved from Internet ,<URL:<https://www.concept-phones.com/lg/lg-rollable-phone-versus-tcl-rollable-phone-who-won-ces-2021/>>.\*

Internet Publication by Daniel Petrov, Shh, Samsung will demo phone, Publication Date: Jan. 7, 2020, [online], [retrieved on Aug. 24, 2021]. Retrieved from Internet ,<URL:[https://www.phonearena.com/news/samsung-slide-display-phone-ces-2020\\_id121415](https://www.phonearena.com/news/samsung-slide-display-phone-ces-2020_id121415)>.\*

Internet Publication by Mars Gadgets, Top 5 Rollable Phones, Publication Date: Nov. 25, 2020, [online], [retrieved on Aug. 24, 2021]. Retrieved from Internet ,<URL: <https://www.youtube.com/watch?v=Zjoft-71k8U>>.\*

\* cited by examiner

FIG. 1

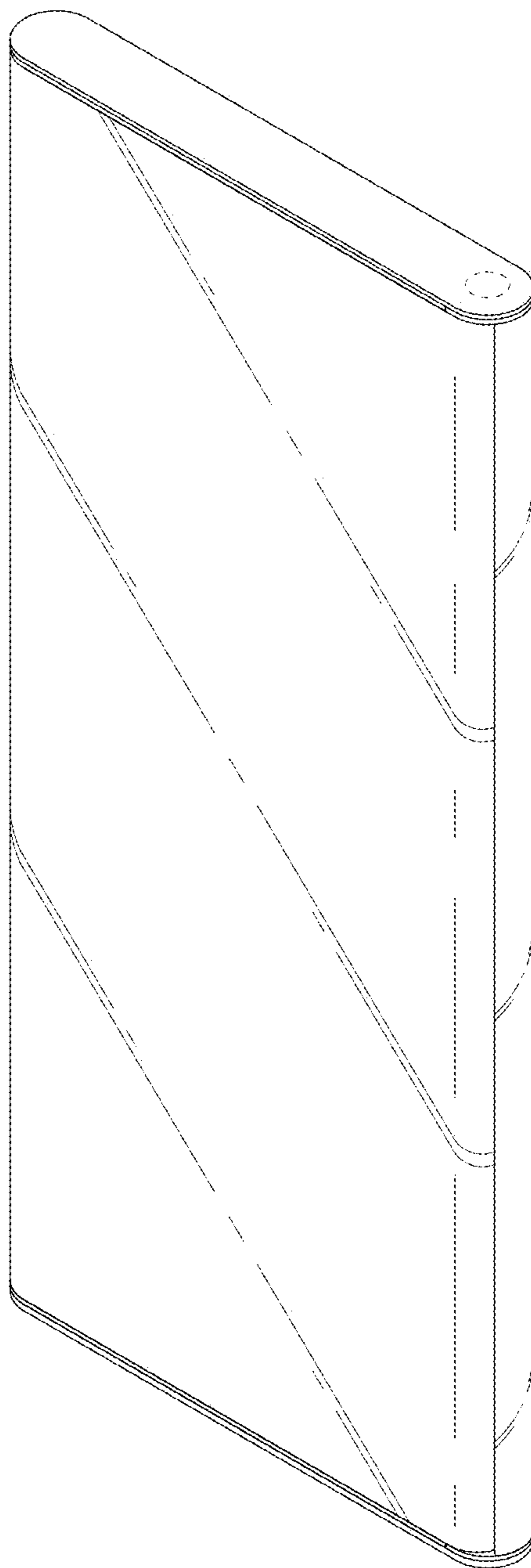


FIG. 2

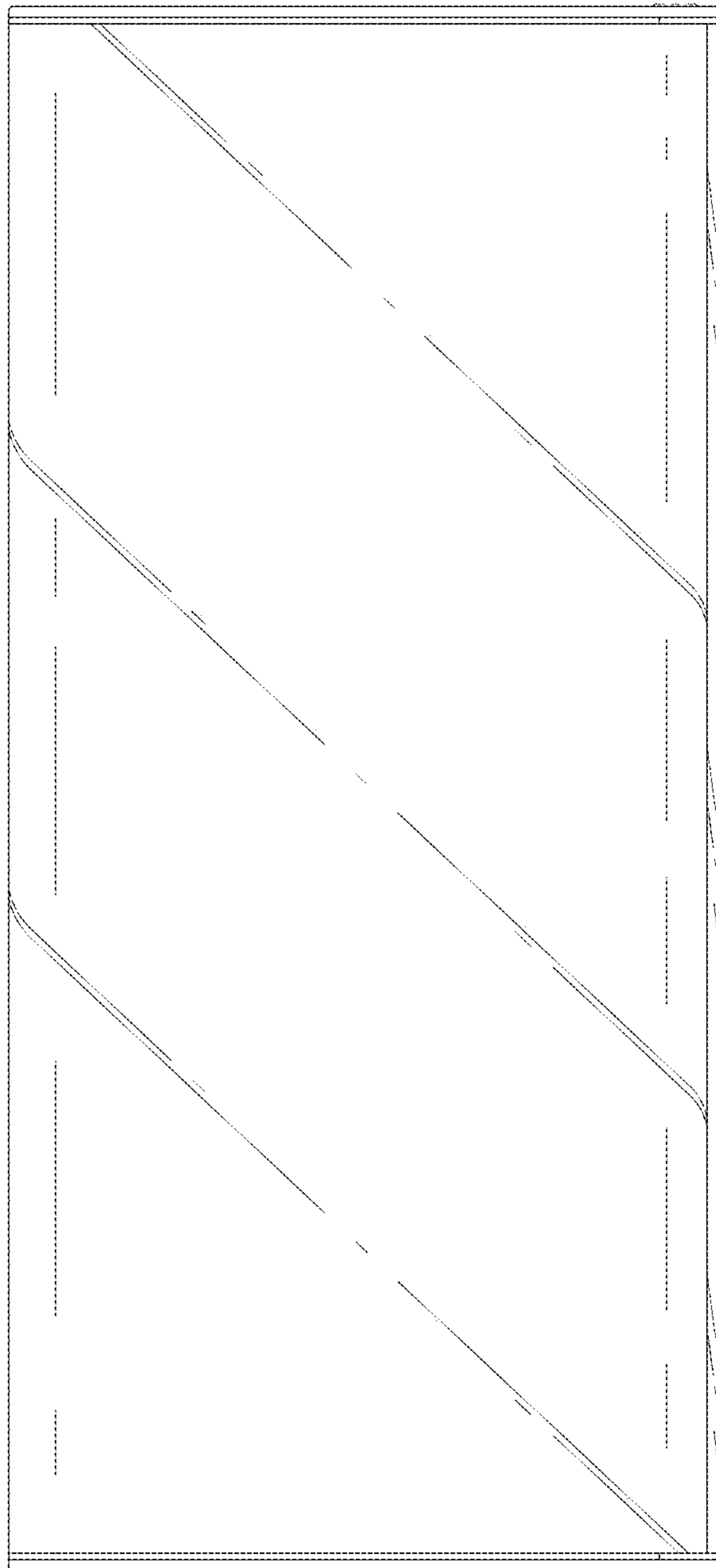


FIG. 3

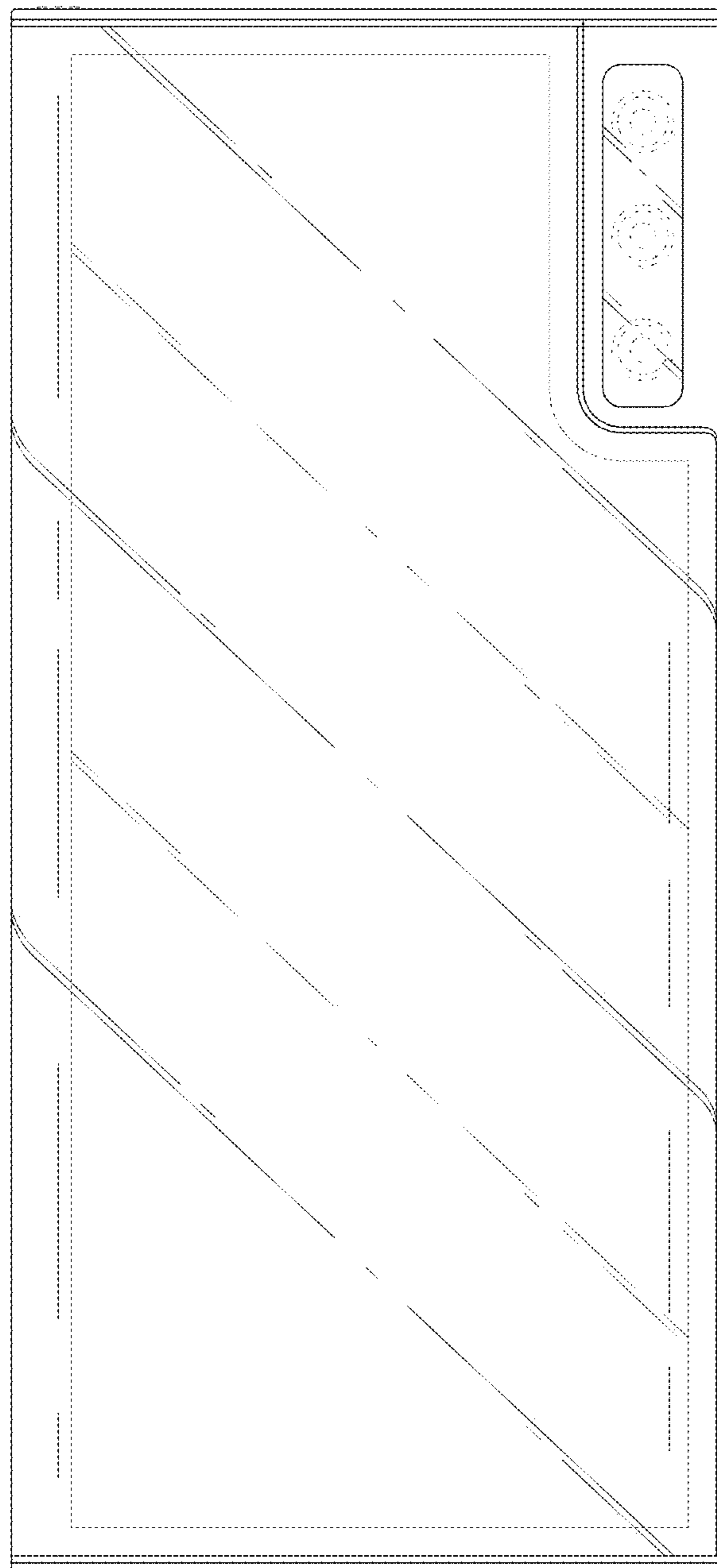


FIG. 4

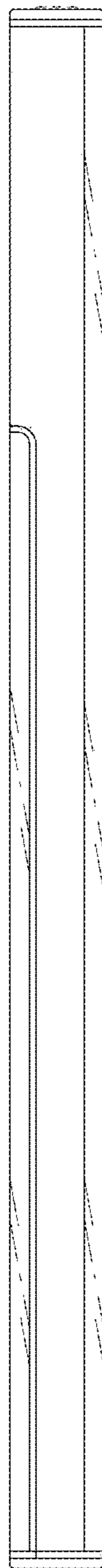


FIG. 5

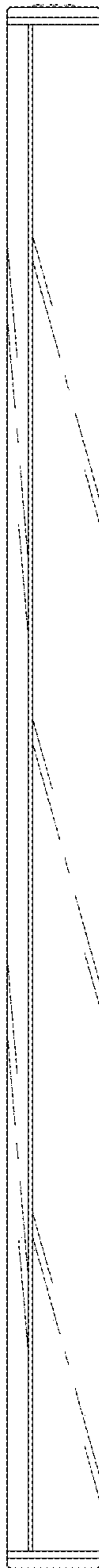


FIG. 6





FIG. 7



FIG. 8

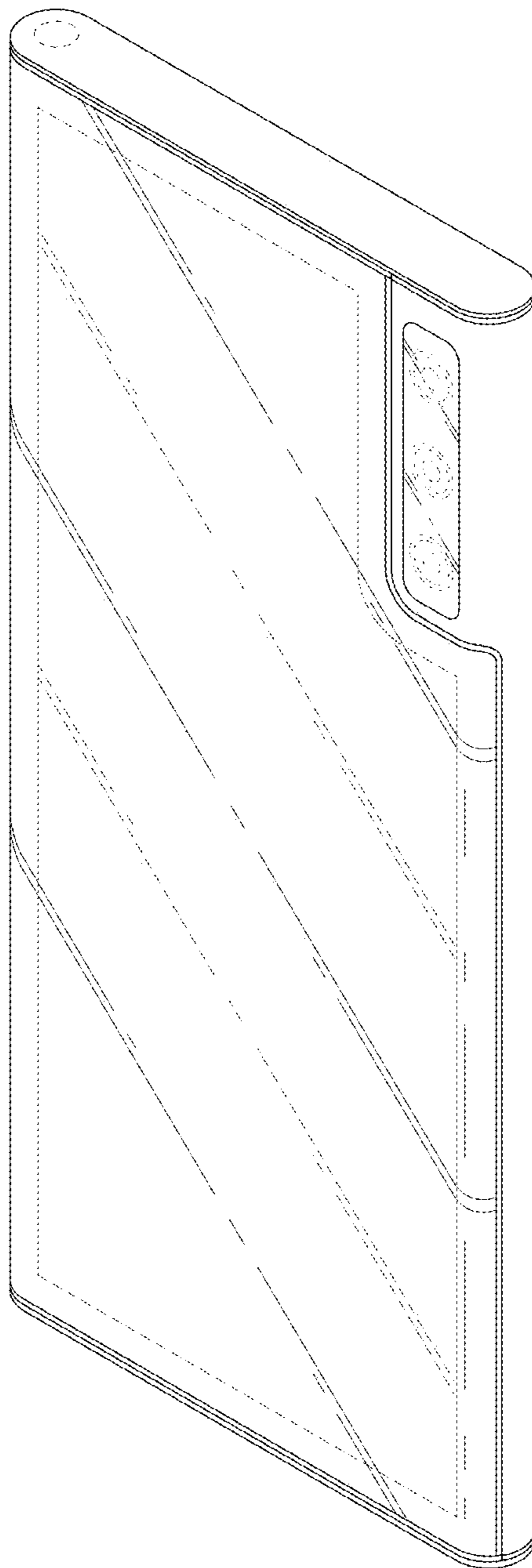


FIG. 9

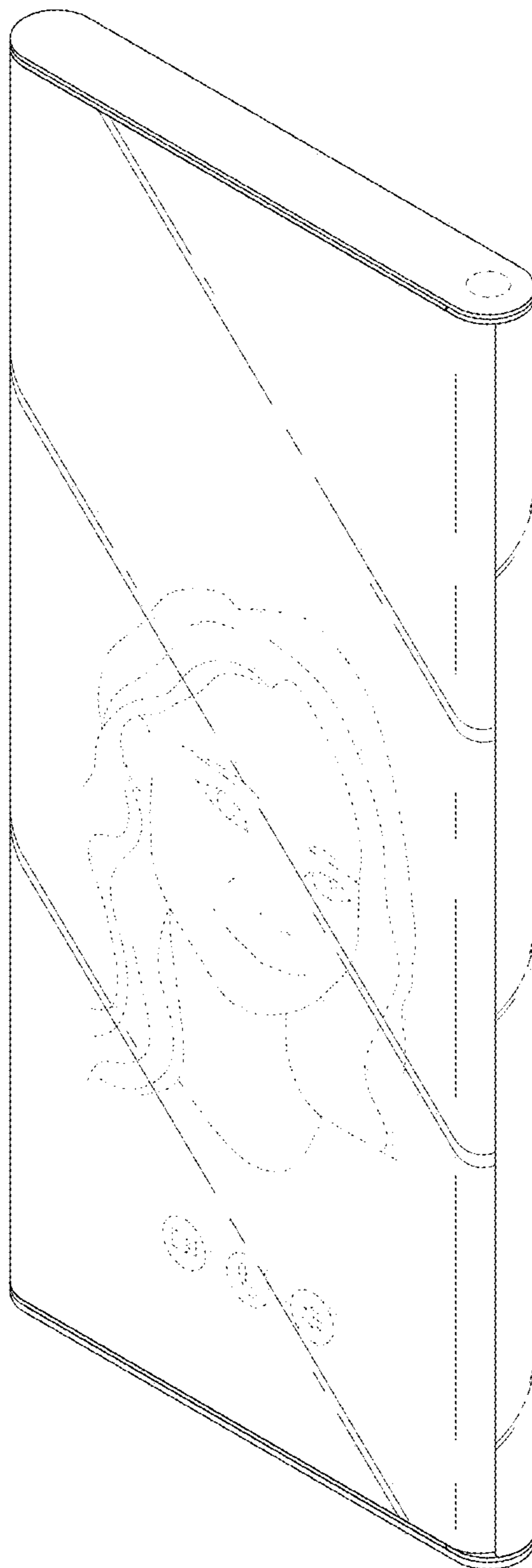


FIG. 10

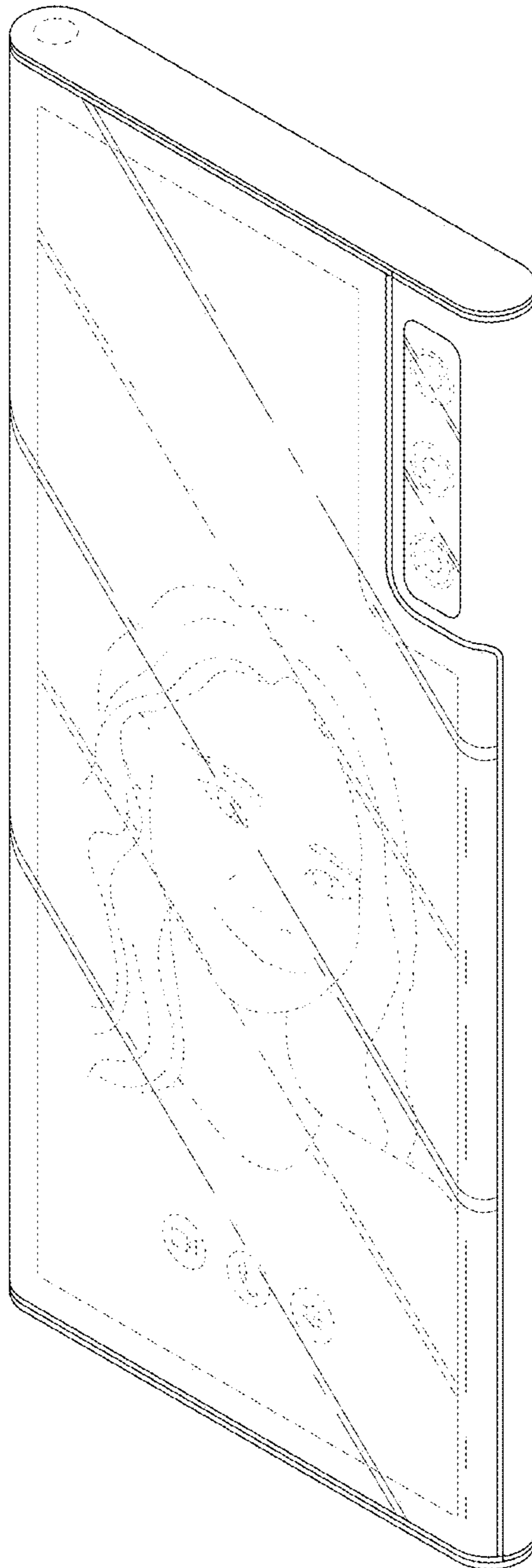


FIG. 11

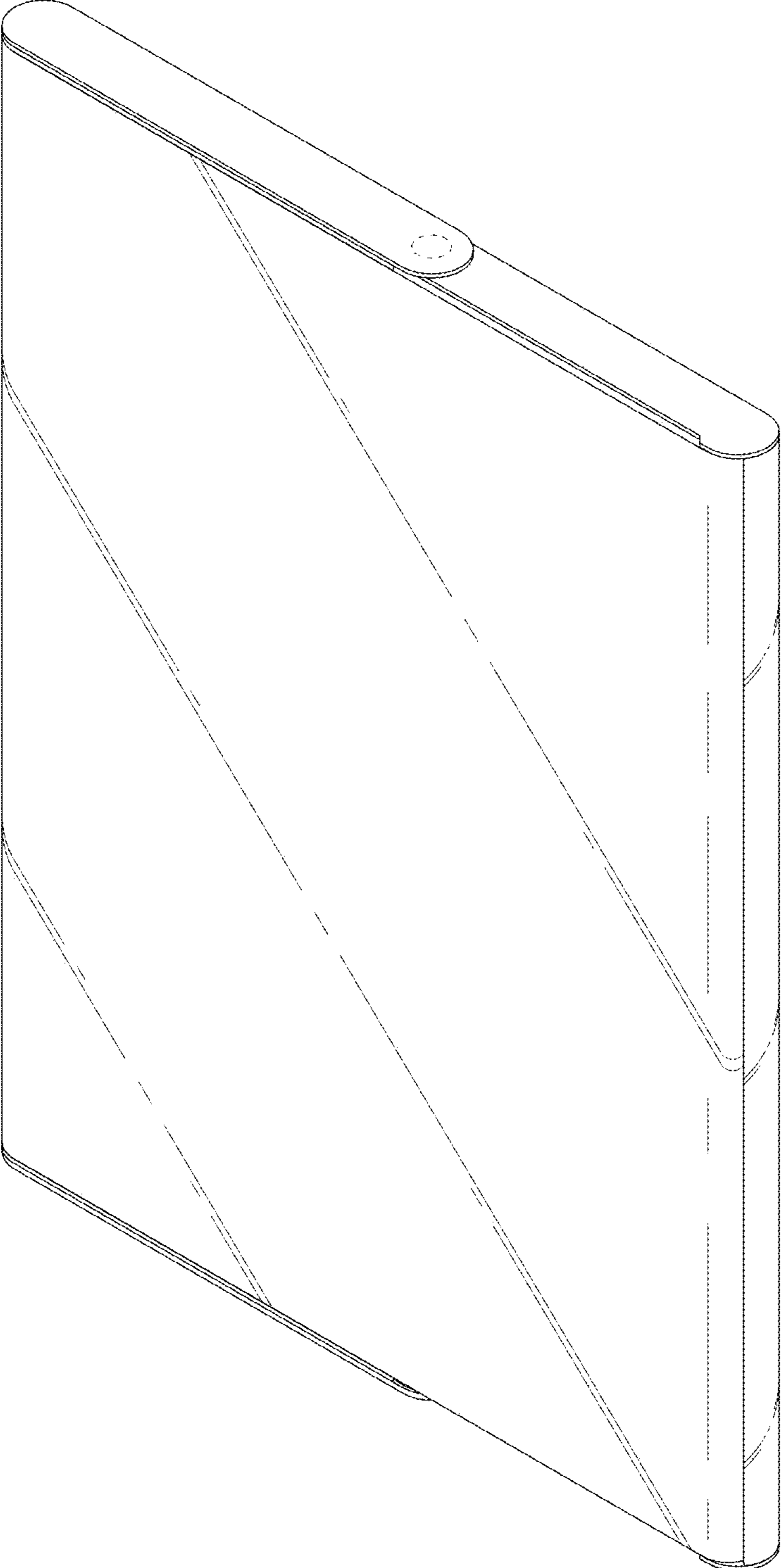


FIG. 12

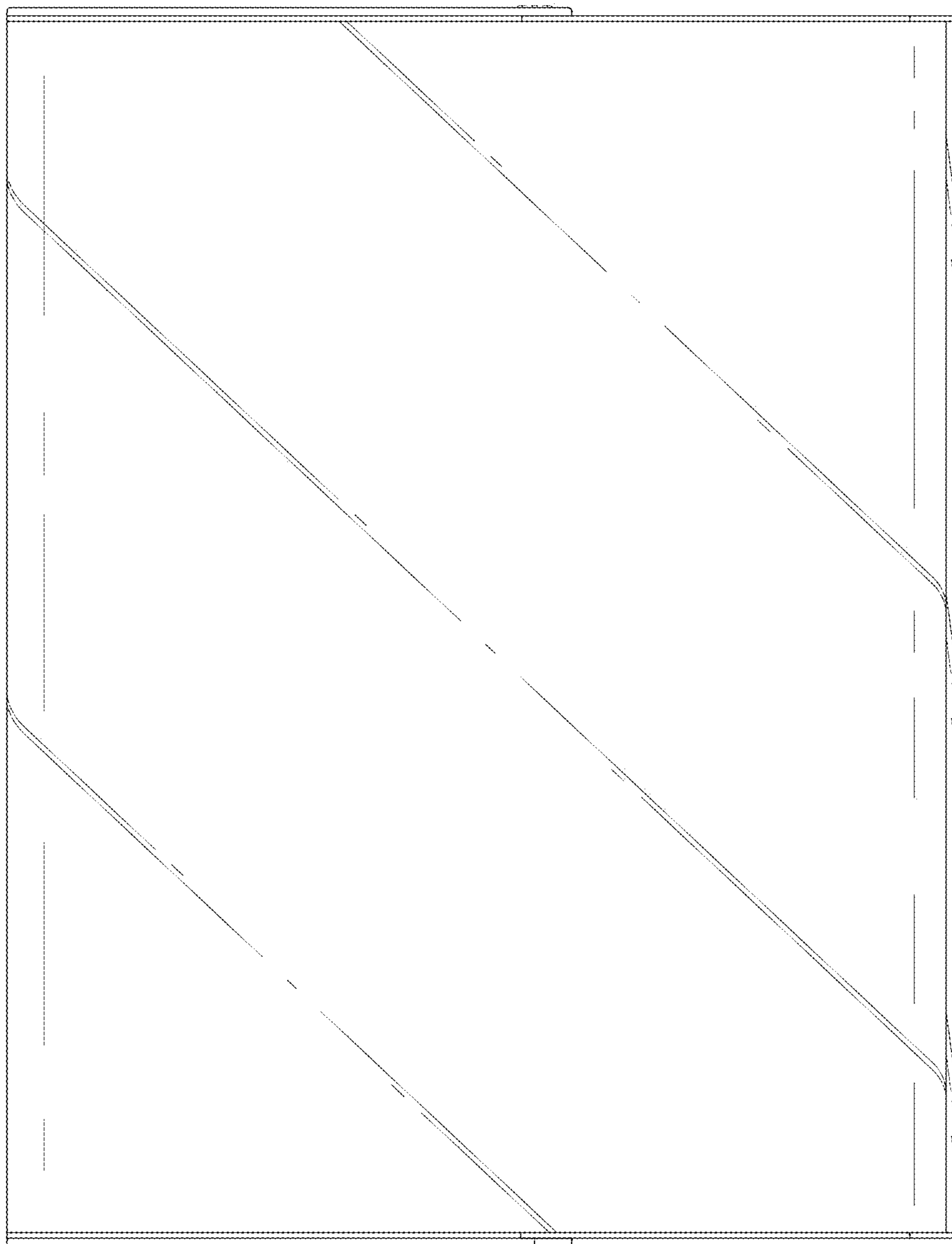


FIG. 13

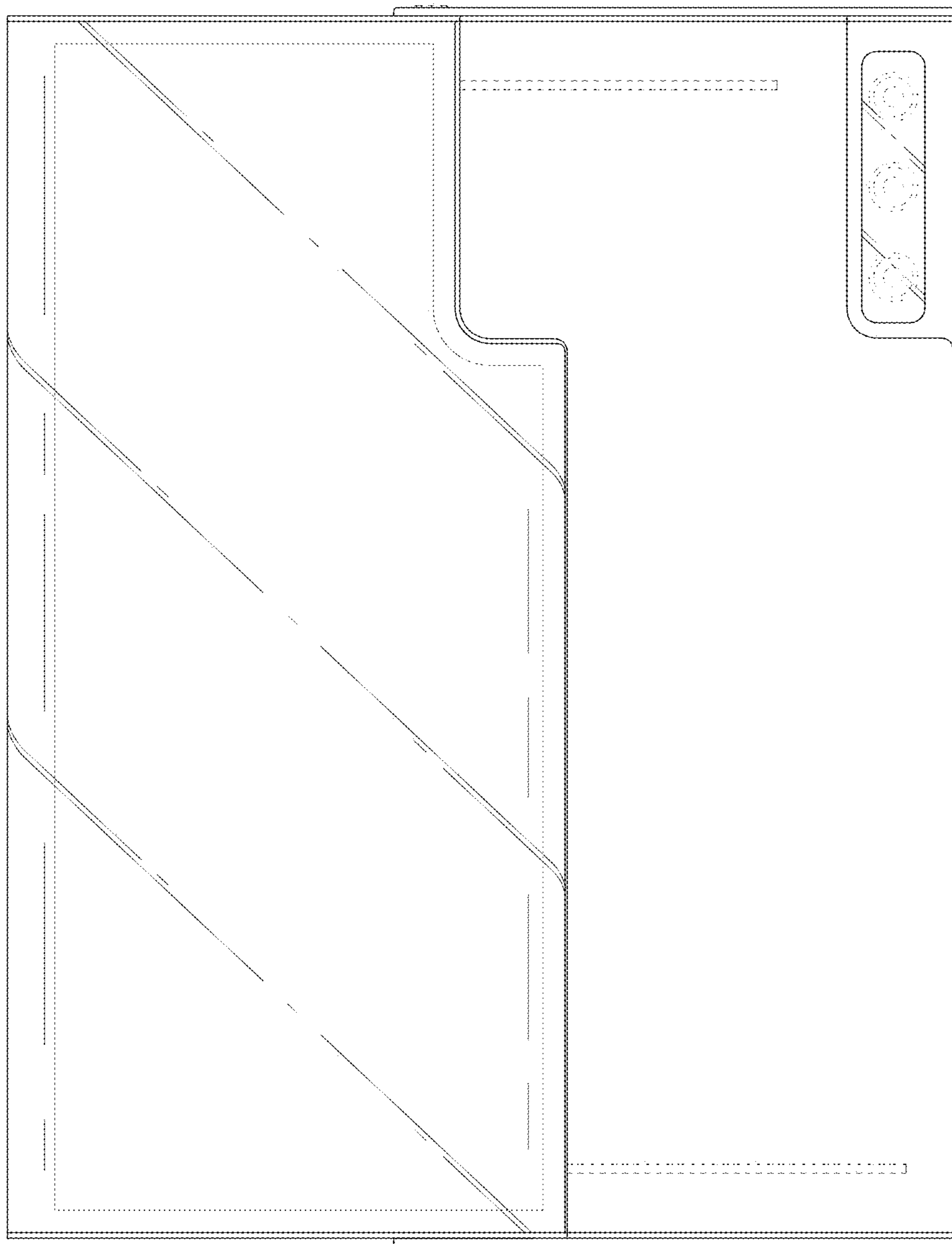


FIG. 14





FIG. 15



FIG. 16

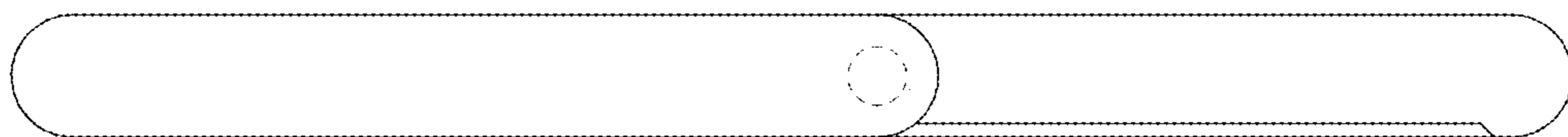


FIG. 17



FIG. 18

